

## MaP Graduate Symposium 2022 - PROGRAMME

08.00	<i>Registration</i>
08.45	Opening Remarks
09.00	<b>Alessandro Dutto</b> , <i>Complex Materials, D-MATL</i> 3D Printing of Hierarchical Porous Ceramics for Thermal Insulation and Evaporative Cooling
	<b>Dhananjay Deshmukh</b> , <i>Macromolecular Engineering, D-MAVT</i> Acoustically Patterned Cells for Musculoskeletal Tissue Engineering
	<b>Gianna Wolfisberg</b> , <i>Soft and Living Materials, D-MATL</i> Understanding the Pancake-like Morphology of the Golgi Apparatus Compartments
	<b>Oscar Cipolato</b> , <i>Nanoparticle Systems Engineering, D-MAVT</i> Nanoparticle-Enhanced Laser Tissue Soldering
	<b>Xiulin Chen</b> , <i>Durability of Engineering Materials, D-BAUG &amp; D-HEST</i> Amyloid Fibril-UiO-66-NH <sub>2</sub> Aerogels for Environmental Remediation
10.00	<i>Coffee Break &amp; Poster Session</i>
11.00	<b>Carolina van Baalen</b> , <i>Soft Materials and Interfaces, D-MATL</i> Confounding Interactions with Obstacles: How Colloidal Lattices Steer the Dynamics of Catalytic Microswimmers
	<b>Prajwal Agrawal</b> , <i>Acoustic Robotics System, D-MAVT</i> SonoPrint Acoustically-Assisted Volumetric 3D Printing
	<b>Jean-Marc von Mentlen</b> , <i>Materials and Device Engineering, D-ITET</i> Engineering of Sub-Nanometer Oxide Shell on Gold Nanoparticles
	<b>Christian Gehre</b> , <i>Bone Biomechanics, D-HEST</i> Sensitized Two-Photon Hydrogel Ablation for Laser-Guided Formation of 3D Bone Cell Networks
	<b>Rani Boons</b> , <i>Complex Materials, D-MATL</i> 3D Printing of Diatom-Laden Hydrogels for Water Quality Assessment
12.00	<i>Lunch &amp; Poster Session</i>

<b>MaP Award 2022</b>	
13.30	<b>Dr. Alexandre Anthis</b> , <i>Nanoparticle Systems Engineering, D-MAVT</i> Design & Formulation of Stimuli-Responsive Surgical Materials
	<b>Dr. Tommaso Magrini</b> , <i>Complex Materials, D-MATL</i> Tough & Transparent Nacre-Like Functional Composites
	<b>Dr. Nives Strkalj</b> , <i>Multifunctional Ferroic Materials, D-MATL</i> Emergence & Evolution of Ferroelectricity in Oxide Heterostructures
14.45	<i>Coffee Break</i>
15.30	<b>Iacopo Mattich</b> , <i>Complex Materials, D-MATL</i> Colloidal Self-Assembly Inside Droplets Under Magnetic Fields
	<b>Riccardo Rizzo</b> , <i>Tissue Engineering and Biofabrication, D-HEST</i> From Free-Radical to Radical-Free: A Biocompatible Paradigm Shift in Light-Mediated Biofabrication
	<b>Sara Svanberg</b> , <i>Bioanalytics Group, D-BSSE</i> A Novel Vascularization Model of the Human Dental Pulp and Periodontium
	<b>Alexander Firlus</b> , <i>Metal Physics and Technology, D-MATL</i> Anomalous Thermal Expansion of FeBYMo Bulk Metallic Glasses
	<b>Donghoon Kim</b> , <i>Multi-Scale Robotics, D-MAVT</i> Giant Shape-Memory Effect in Twisted Ferroic Nanocomposites
16.35	Flash Poster Presentations
16.50	Industry Presentations
17.10	Idea Pitches for a Novel Transdisciplinary Format Election MaP Student Representative
17.40	Award Ceremony
18.00	<i>Networking Apéro Riche</i>